

PTO/SB/97 (09-04)

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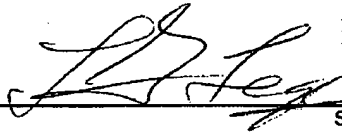
Application No. (if known): 10/077,730

Attorney Docket No.: 83180US1

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on September 30, 2005  
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L. George Legg

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Amendment in Response to Non-Final Office Action (17 pages)  
Amendment Transmittal (1 page)  
Transmittal (1 page)

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**FAX TRANSMISSION****DATE:** September 30, 2005**PTO IDENTIFIER:** Application Number 10/077,730-Conf. #3168  
Patent Number**Inventor:** Gregory Nichols**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** US NAVAL RESEARCH LABORATORY

L. George Legg

**PHONE:** (202) 404-1559**Attorney Dkt. #:** 83180US1**PAGES (Including Cover Sheet):** 21**CONTENTS:** Amendment in Response to Non-Final Office Action (17 pages)  
Amendment Transmittal (1 page)  
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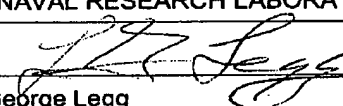
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|  |                      |                        |          |
|--|----------------------|------------------------|----------|
| <b>TRANSMITTAL<br/>FORM</b><br><br><i>(to be used for all correspondence after initial filing)</i> | Application Number   | 10/077,730-Conf. #3168 |          |
|  | Filing Date          | February 19, 2002      |          |
|  | First Named Inventor | Gregory Nichols        |          |
|  | Art Unit             | 2634                   |          |
|  | Examiner Name        | E. M. File             |          |
| Total Number of Pages in This Submission   | 19                   | Attorney Docket Number | 83180US1 |

| ENCLOSURES (Check all that apply)   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input checked="" type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks   |  |  |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|              |   |          |        |
|--------------|---|----------|--------|
| Firm Name    | US NAVAL RESEARCH LABORATORY  |          |        |
| Signature    |  |          |        |
| Printed name | L. George Legg  |          |        |
| Date         | September 30, 2005  | Reg. No. | 34,208 |

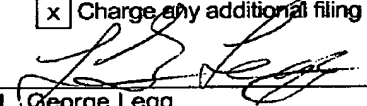
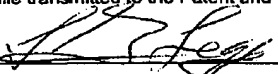
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Dated: 9/30/05 Signature:  (L. George Legg)

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|   |   |   |                                   |                                  |      |
|---|---|---|-----------------------------------|----------------------------------|------|
| <b>AMENDMENT TRANSMITTAL LETTER</b>   |   |   |                                   | Docket No.<br>83180US1           |      |
| Application No.<br>10/077,730-Conf. #3168   |   | Filing Date<br>February 19, 2002        |                                   | Examiner<br>E. M. File           |      |
|   |   |   |                                   | Art Unit<br>2634                 |      |
| Applicant(s): Gregory Nichols   |   |   |                                   |                                  |      |
| Invention: Automatic gain control for digitized RF signal processing  |   |   |                                   |                                  |      |
| <b>TO THE COMMISSIONER FOR PATENTS</b>  |   |   |                                   |                                  |      |
| Transmitted herewith is an amendment in the above-identified application.   |   |   |                                   |                                  |      |
| The fee has been calculated and is transmitted as shown below.  |   |   |                                   |                                  |      |
| <b>CLAIMS AS AMENDED</b>  |   |   |                                   |                                  |      |
|   | Claims<br>Remaining<br>After<br>Amendment | Highest<br>Number<br>Previously<br>Paid | Number<br>Extra Claims<br>Present | Rate                             |      |
| <b>Total Claims</b>   | 25  | - 25 =                                  |                                   | x                                |      |
| <b>Independent Claims</b>   | 4   | - 4 =                                   |                                   | x                                |      |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |   |   |                                   |                                  |      |
| Other fee (please specify):   |   |   |                                   |                                  |      |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>   |   |   |                                   |                                  | 0.00 |
| <input checked="" type="checkbox"/> Large Entity <span style="margin-left: 200px;"><input type="checkbox"/> Small Entity</span>   |   |   |                                   |                                  |      |
| <input type="checkbox"/> No additional fee is required for this amendment.  |   |   |                                   |                                  |      |
| <input checked="" type="checkbox"/> Please charge Deposit Account No. <u>50-0281</u> in the amount of \$ <u>120</u> .<br>A duplicate copy of this sheet is enclosed.  |   |   |                                   |                                  |      |
| <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.   |   |   |                                   |                                  |      |
| <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.   |   |   |                                   |                                  |      |
| <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>50-0281</u><br>as described below. A duplicate copy of this sheet is enclosed.  |   |   |                                   |                                  |      |
| <input checked="" type="checkbox"/> Credit any overpayment.   |   |   |                                   |                                  |      |
| <input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.  |   |   |                                   |                                  |      |
| <br>L. George Legg<br>Attorney Reg. No.: 34,208  |   |   |                                   | Dated: <u>September 30, 2005</u> |      |
| US NAVAL RESEARCH LABORATORY<br>4555 Overlook Ave, SW<br>Washington, DC 20375<br>(202) 404-1559   |   |   |                                   |                                  |      |
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(L. George Legg)

Docket No.: 83180US1  
- (PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Gregory Nichols

Application No.: 10/077,730

Confirmation No.: 3168

Filed: February 19, 2002

Art Unit: 2634

For: Automatic gain control for digitized RF signal  
processing

Examiner: E. M. File

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated June 1, 2005, please amend the  
above-identified U.S. patent application as follows:

**Amendments to the Specification/Abstract begin on page 3 of this paper.**

10/04/2005 MGBREM1 00000065 500281 10077730  
1 FC:1251 120.00 DA

Application No. 10/077,730

Docket No.: 83180US1

Amendment dated September 30, 2005

Reply to Office Action of June 1, 2005

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Remarks/Arguments** begin on page 14 of this paper.